



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott Freeberg Examiner: Unknown
Serial No.: 10/696729 Group Art Unit: 3762
Filed: October 29, 2003 Docket: 279.652US1
Title: CROSS-CHECKING OF TRANSTHORACIC IMPEDANCE AND ACCELERATION
 SIGNALS

COMMUNICATION RE: INCORRECT FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant hereby requests correction of the Filing Receipt with respect to the above-identified patent application. The Filing Receipt mailed January 30, 2004, (copy enclosed), does not correctly reflect the relationship between the above-identified application and application serial number 60/437,356. The above-identified application is **related to, not claiming benefit of** application serial number 60/437,356 as evidenced by the first page of the above-identified applicaton (copy enclosed).

Applicant would appreciate the above-identified printing error be corrected and that a new "corrected" filing receipt be sent to Applicant's representatives at the address given below.

Respectfully submitted,

Scott Freeberg

By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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Date

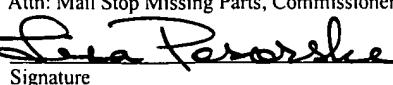
March 18, 2004

By


David W. Black
Reg. No. 42,331
DWB:CMG:lmp

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Mail Stop Missing Parts, Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450, on this 19 day of March, 2004

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/696,729	10/29/2003	3762	0.00	279.652US1	3	55	9

Schwegman, Lundberg, Woessner & Kluth, P.A.
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CONFIRMATION NO. 6340

FILING RECEIPT



OC000000011793127

Date Mailed: 01/30/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Scott Freeberg, Birchwood Village, MN

Domestic Priority data as claimed by applicant

This appln claims benefit of 60/437,356 12/30/2002

Foreign Applications

If Required, Foreign Filing License Granted: 01/29/2004

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

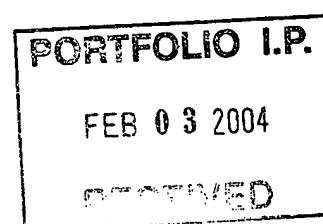
Early Publication Request: No

Title

Cross-checking of transthoracic impedance and acceleration signals

Preliminary Class

607



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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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CROSS-CHECKING OF TRANSTHORACIC IMPEDENCE AND ACCELERATION SIGNALS

Related Applications

5 This document is related to co-pending and commonly assigned U.S. Provisional Patent Application Serial No. 60/437356, entitled "AUTOMATICALLY CONFIGURABLE MINUTE VENTILATION SENSOR," inventor Scott Freeberg, filed December 30, 2002, the specification of which is hereby incorporated by reference in its entirety.

10 This document is related to co-pending and commonly assigned U.S. Patent application No. 10/268,023, entitled "RATE ADAPTIVE CARDIAC RHYTHM MANAGEMENT DEVICE USING TRANSTHORACIC IMPEDANCE," filed October 8, 2002, which is a continuation of U.S. Patent Application No. 09/492,912, filed January 20, 2000, now U.S. Patent No. 6,463,326, which is a continuation of U.S. Patent Application No. 09/316,690, filed May 21, 1999, now U.S. Patent No. 6,161,042, which is a divisional of U.S. Patent Application No. 09/032,731, filed February 27, 1998, now U.S. Patent No. 6,076,015, the specifications of which are each incorporated by reference herein.

15 Patent Application No. 09/316,690, filed May 21, 1999, now U.S. Patent No. 6,161,042, which is a divisional of U.S. Patent Application No. 09/032,731, filed February 27, 1998, now U.S. Patent No. 6,076,015, the specifications of which are each incorporated by reference herein.

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Technical Field

This document relates generally to transthoracic minute ventilation and acceleration for purposes of cardiac rhythm management and in particular, but not by way of limitation, to detection and discrimination of arrhythmias in an implantable medical device.

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Background

Implantable medical devices are used for treating cardiac dysfunction. Cardiac pacemakers, for example, are implantable medical devices that replace or supplement a heart's compromised ability to pace itself by delivering electrical pacing pulses to the heart.